Galaxy

galaxy.uni-freiburg.de

usegalaxy.org

GALAXY

Team Members:
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Project Type:
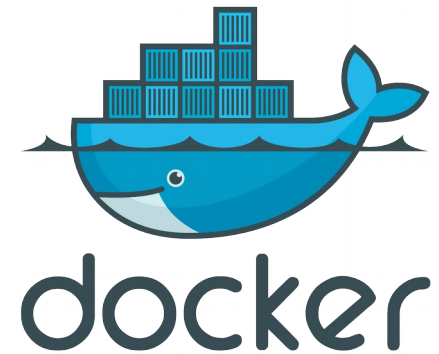Control System Integration in Galaxy

Open Data:
Generating Open Data sets - Microscopy

Application Type:
Data Processing Pipeline

About Galaxy

- 900 Bioinformatics Tools
- 100,000 Jobs
- 200 Users
- 2K cores
- 1TB RAM
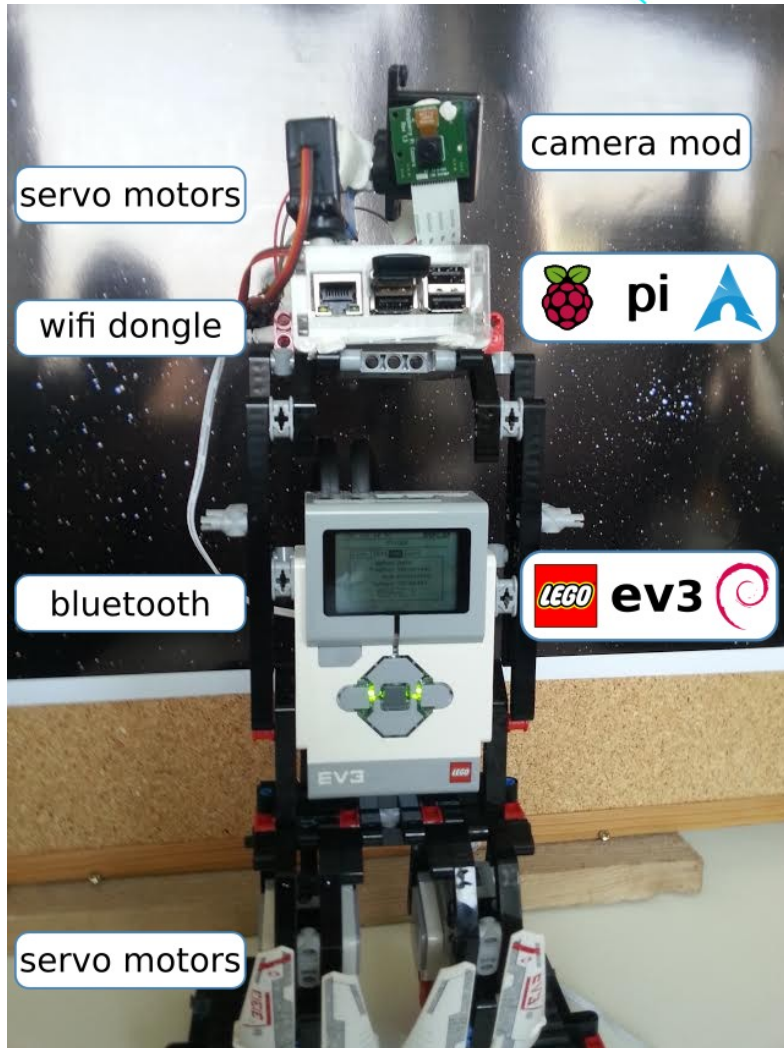
Use Case – *Automating Science*

Automated Microscope

     - take an image
     - push this to galaxy, perform image processing on a cluster
     - extract parameters for Microscope
     - take a new image with parameters; REPEAT

CleanLab – Automated Experiments

     - for an environment dangerous to humans
     - a robot's hands are cleaner than a (dirty) biologists

giving galaxy hands

Meet Eve – our „Macroscope"

github.com/bgruening/hackathonfr